



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FFL G2 22 MD UV FA 935.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001588-024 (s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 2/25/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] FFL G2 22 MD UV FA 935

[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflector,  
[MORE] frosted linear ribbed plastic enclosure.

[LAMP] 84 white LEDs, one LS3872A10\_3500\_90R 3500K LED board

[BALLAST] One ULT D10CC30UNVPW-C LED driver programmed at 760mA

[OTHER] 120.0Vac, 60.01Hz

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4616
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	34.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.85 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4229	4563	4898
55	3892	4415	4968
65	3502	4342	5265
75	2947	4376	5767
85	1964	3726	5141

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	589.82	N.A.	12.80
0-30	1242.84	N.A.	26.90
0-40	2018.39	N.A.	43.70
0-60	3540.1	N.A.	76.70
0-80	4503.56	N.A.	97.60
0-90	4616.31	N.A.	100.00
10-90	4462.9	N.A.	96.70
20-40	1428.57	N.A.	30.90
20-50	2224.73	N.A.	48.20
40-70	2104.86	N.A.	45.60
60-80	963.46	N.A.	20.90
70-80	380.31	N.A.	8.20
80-90	112.75	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4616.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	153.41
10-20	436.41
20-30	653.02
30-40	775.55
40-50	796.17
50-60	725.55
60-70	583.15
70-80	380.31
80-90	112.75
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

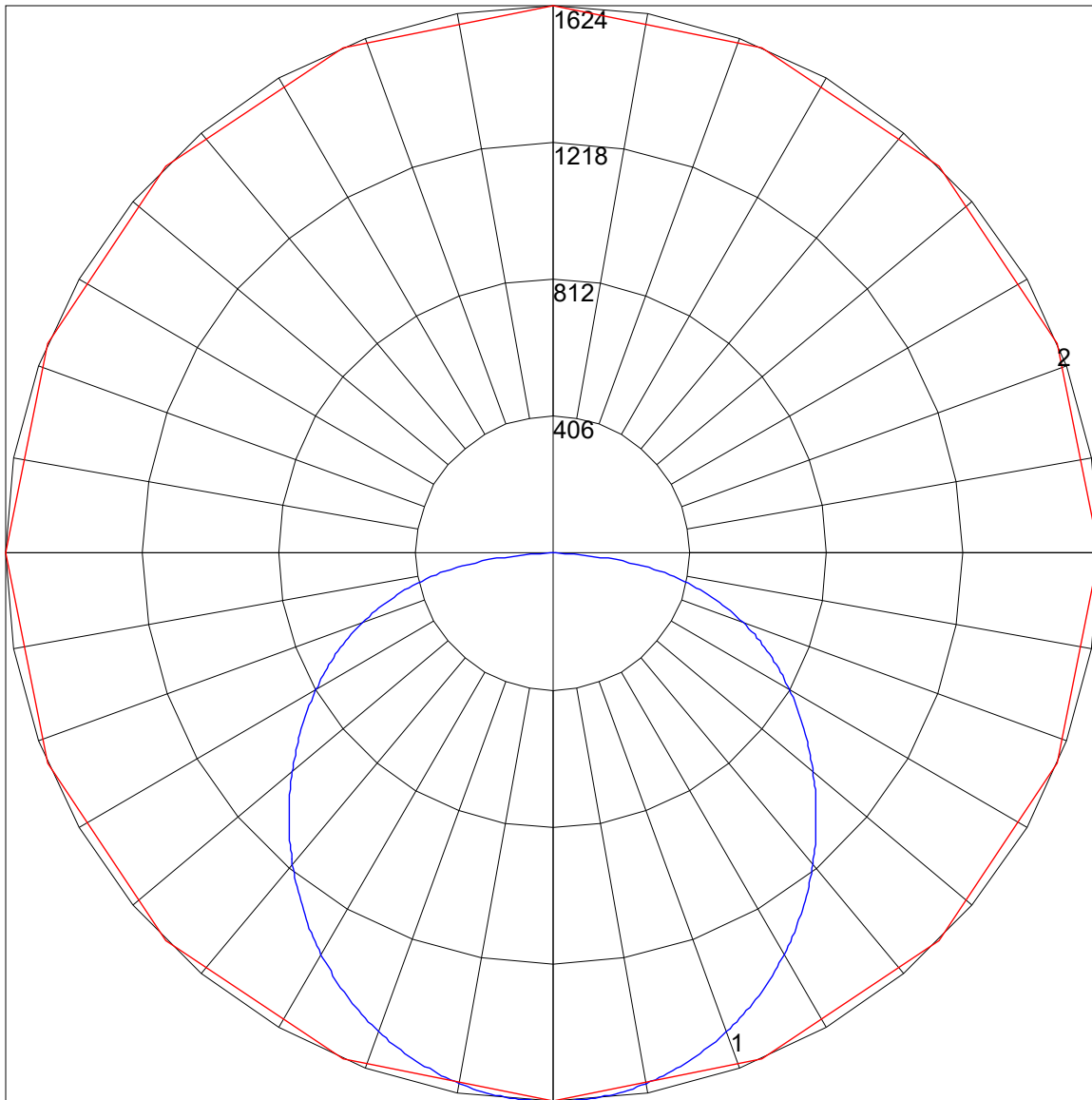
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**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	16.5	18.1	16.8	18.4	18.8	17.9	19.6	18.3	19.9	20.2
	3H	18.2	19.7	18.6	20.0	20.4	20.3	21.8	20.7	22.1	22.5
	4H	18.8	20.3	19.2	20.6	21.0	21.3	22.8	21.7	23.1	23.5
	6H	19.3	20.6	19.7	21.0	21.3	22.2	23.6	22.7	23.9	24.3
	8H	19.4	20.7	19.8	21.0	21.4	22.6	23.9	23.0	24.3	24.6
	12H	19.5	20.7	19.9	21.1	21.5	22.8	24.0	23.3	24.4	24.8
4H	2H	17.4	18.8	17.7	19.1	19.5	18.5	19.9	18.9	20.3	20.6
	3H	19.3	20.5	19.7	20.9	21.3	21.1	22.3	21.5	22.7	23.1
	4H	20.1	21.2	20.5	21.6	22.0	22.3	23.4	22.7	23.8	24.3
	6H	20.7	21.6	21.1	22.0	22.5	23.4	24.4	23.9	24.8	25.3
	8H	20.8	21.7	21.3	22.2	22.6	23.8	24.7	24.3	25.2	25.6
	12H	20.9	21.7	21.4	22.2	22.7	24.1	24.9	24.6	25.4	25.9
8H	4H	20.7	21.6	21.1	22.0	22.5	22.6	23.5	23.1	23.9	24.4
	6H	21.4	22.2	21.9	22.6	23.1	23.9	24.6	24.4	25.1	25.6
	8H	21.6	22.3	22.1	22.8	23.3	24.4	25.1	24.9	25.6	26.1
	12H	21.8	22.4	22.3	22.9	23.5	24.8	25.4	25.3	25.9	26.4
12H	4H	20.8	21.6	21.3	22.1	22.6	22.6	23.4	23.1	23.9	24.4
	6H	21.6	22.3	22.1	22.7	23.3	23.9	24.6	24.4	25.1	25.6
	8H	21.9	22.5	22.4	23.0	23.6	24.5	25.1	25.0	25.6	26.1

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 1624.367 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)